

|      | 15 | 14 | 13 | 12     | 11      | 10 | 9       | 8    | 7 | 6    | 5    | 4    | 3   | 2    | 1 | 0 |  |  |
|------|----|----|----|--------|---------|----|---------|------|---|------|------|------|-----|------|---|---|--|--|
| AND  | 0  | 0  | 0  | DEST   |         |    |         | SRC1 |   | 0    | 0    | 0    | 0   | SRC2 |   |   |  |  |
| ADD  | 0  | 0  | 1  |        |         |    |         |      |   | 0    | 0    | 0    | 0   | SRC2 |   |   |  |  |
| ANDI | 0  | 1  | 0  |        |         |    |         |      |   | DEST | SRC1 | IMM  |     |      |   |   |  |  |
| ADDI | 0  | 1  | 1  |        |         |    |         |      |   |      |      | SRC1 | IMM |      |   |   |  |  |
| LD   | 1  | 0  | 0  | DEST   | ADDRESS |    |         |      |   |      |      |      |     |      |   |   |  |  |
| ST   | 1  | 0  | 1  | SRC1   |         |    | ADDRESS |      |   |      |      |      |     |      |   |   |  |  |
| CMP  | 1  | 1  | 0  | XXXXXX |         |    |         |      |   |      | OP1  |      |     | OP2  |   |   |  |  |
| JUMP | 1  | 1  | 1  | 0      | 0       | 0  | ADDRESS |      |   |      |      |      |     |      |   |   |  |  |
| JE   | 1  | 1  | 1  | 0      | 0       | 1  | ADDRESS |      |   |      |      |      |     |      |   |   |  |  |
| JA   | 1  | 1  | 1  | 0      | 1       | 0  | ADDRESS |      |   |      |      |      |     |      |   |   |  |  |
| JB   | 1  | 1  | 1  | 0      | 1       | 1  | ADDRESS |      |   |      |      |      |     |      |   |   |  |  |
| JBE  | 1  | 1  | 1  | 1      | 0       | 0  | ADDRESS |      |   |      |      |      |     |      |   |   |  |  |
| JEA  | 1  | 1  | 1  | 1      | 0       | 1  | ADDRESS |      |   |      |      |      |     |      |   |   |  |  |